

ABSTRACT OF THE DISCLOSURE

An apparatus for preparing a plastic eyeglass lens includes a coating unit and a
5 lens curing unit. The apparatus is preferably configured to allow the operation of both
the coating unit and the lens curing unit. The apparatus may also include a post-cure unit
and a controller. The controller is configured to control the operation of the coating unit,
the lens curing unit and the post-cure unit. The lens forming unit may include an LCD
filter disposed between activating light sources and a mold assembly. The mold
10 assembly preferably includes two mold members held together by a gasket. The gasket
preferably includes four protrusions spaced at 90 degree intervals about the gasket. A
lens forming composition may include a first photochromic compound, a second
photochromic compound and a light effector. The light effector may alter the color of a
lens when exposed to photochromic activating light, when compared to a lens formed
15 from a lens forming composition which does not include a light effector.

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